

## WATER (41)

### *AGENCY PLAN: STATEMENT OF PURPOSE, GOALS AND BUDGET SUMMARY*

#### STATEMENT OF PURPOSE:

The Water and Sewerage Department exceeds our customers' expectations through innovative treatment and transmission of water and wastewater that promote healthy communities and economic growth, and excels in the management of cost efficient water sources for the people of Southeastern Michigan

#### AGENCY GOALS:

The Water Division is administratively part of the Detroit Water and Sewerage Department while maintained as a separate fund in the City of Detroit Accounting System.

#### AGENCY FINANCIAL SUMMARY:

2007-08 <u>Requested</u>		2006-07 <u>Budget</u>	2007-08 <u>Recommended</u>	Increase <u>(Decrease)</u>
\$ 156,579,923	Operation and Maintenance	\$ 161,103,172	\$ 161,579,923	\$ 476,751
133,906,800	Debt Service	116,507,564	133,906,800	17,399,236
38,653,400	Capital Appropriations	34,287,200	38,743,900	4,456,700
-	Bonded Capital	400,000,000	-	(400,000,000)
\$ 329,140,123	Total Appropriations	\$ 711,897,936	\$ 334,230,623	\$ (377,667,313)
\$ 329,140,123	Departmental Revenues	\$ 311,897,936	\$ 334,230,623	\$ 22,332,687
-	Sale of Bonds	400,000,000	-	(400,000,000)
\$ 329,140,123	Total Revenues	\$ 711,897,936	\$ 334,230,623	\$ (377,667,313)
\$ -	NET TAX COST:	\$ -	\$ -	\$ -

#### AGENCY EMPLOYEE STATISTICS:

2007-08 <u>Requested</u>		2006-07 <u>Budget</u>	04-01-07 <u>Actual</u>	2007-08 <u>Recommended</u>	Increase <u>(Decrease)</u>
1,919	City Positions	1,900	1,414	1,919	19
1,919	Total Positions	1,900	1,414	1,919	19

#### ACTIVITIES IN THIS AGENCY:

	2006-07 <u>Budget</u>	2007-08 <u>Recommended</u>	Increase <u>(Decrease)</u>
Administrative Services	\$ 51,036,612	\$ 55,763,368	\$ 4,726,756
Financial Services	6,670,459	5,765,948	(904,511)
Asset Maintenance	47,428,209	42,602,976	(4,825,233)
Plant Operations - Water	51,941,197	50,027,251	(1,913,946)
Engineering Services	5,186,195	3,670,380	(1,515,815)
Water - Capital and Debt Service	549,635,264	176,400,700	(373,234,564)
Total Appropriations	\$ 711,897,936	\$ 334,230,623	\$ (377,667,313)

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### ***ADMINISTRATIVE SERVICES ACTIVITY INFORMATION***

#### **ACTIVITY DESCRIPTION: ADMINISTRATIVE SERVICES**

The role of the Administrative Support Group is to support the mission and goals of the department. The Administrative Support Group is responsible for carrying out the policies of the Board and the business management of the department. This group consists of eleven (11) major divisions: Administration, Process Networks and Supervisory Control and Data Acquisition (SCADA) Systems, Public Affairs, Document Management, Security, Office of Program Management, Information Systems Management Division, Commercial Operations, Systems Control, Meter Operations and the Contracts and Grants Division.

The **Process Networks and SCADA Systems Division** supports operations, establish standards (control, graphics and design), implement future control strategies, conduct training, manage and implement contracts, maintain the Ovation and Non-Ovation Systems to assure efficient operation of the DWSD Control Systems. This division will interact with the Systems Control Center Water Treatment and Wastewater Treatment plants to coordinate and recommend actions to enhance the process network(s) for the Treated Water Transmission System (TWTS) and Wastewater Collection System (WWCS).

The **Public Affairs Division** is primarily responsible for compiling and disseminating public information and materials relative to the department's activities through audiovisual, media relations, public relations, and marketing to better provide retail and wholesale customers, and all national and international stakeholders, accurate and up to date information regarding the Water and Sewerage Department. Public Affairs provides complete audiovisual services for DWSD and produces videotaped public service announcements for multimedia broadcast. Public Affairs assists with the dissemination of information and feedback from employees on DWSD plans, programs, and initiatives and promotes a more open and cooperative work environment for all DWSD employees.

The **Commercial Operations Division**, which reports to the Public Affairs Division, is responsible for directing, coordinating, processing, and monitoring DWSD retail and suburban wholesale customer billing and collection activities, collection related to delinquent accounts, processing landlord/tenant agreements, bankruptcy claims and other customer service tasks including meter reads, special payment arrangements, coordinating services with other City agencies, schedule customer billing dispute hearings, and other related activities.

The **Meter Operations Division** focuses on the meter maintenance function of the department, with an emphasis on meter repair, calibration or replacement for water and wastewater clients (wholesale suburban, residential retail and commercial/industrial). This division also provides much needed instrumentation and controls maintenance support related to the operation of the water production/distribution and wastewater collection systems.

The **Document Management Division** is responsible for disseminating documents in a timely and efficient manner for Detroit Water and Sewerage internal customers. The division is also responsible for a comprehensive department wide program for Records Management, which includes, but is not limited to: records appraisal, retention and disposition, records protection, records and information management technology. The Document Management Division is responsible for DWSD's Service Improvement Program.

The **Security Division** provides a safe and secure working environment for all DWSD personnel. The division's essential responsibilities include: a range of coordinating efforts for emergency response, preparedness measures, actions, and processes; loss prevention monitoring, planning, and reporting; prevent and detect unlawful activity and offenses on or within DWSD facilities; conduct departmental incident and safety investigations; patrol and inspect facilities; prepare, design, and instruct in-service, and emergency preparedness training.

The **Office of Program Management (OPMA) Division** currently serves as administrative support for the Office of the DWSD Director and Deputy Director; Process Safety Management Plans (PSMs), and Risk Management Plans (RMPs); maintains DWSD Water and Wastewater Service Contracts and Agreements; coordinates and participates in environmental activities with federal, state, and local organizations/universities to build general public awareness; acts as a liaison between DWSD divisions and regulatory agencies regarding environmental and

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regulatory issues. Other activities include preparing Emergency/Non-Emergency Environmental Response including waste cleanup, hazardous waste removal and disposal, PCB Equipment Management including transformers, management of the Underground and Aboveground Storage Tank (UST/AST) Programs, and Steering Committee Member of the DWSD's health and safety contract.

The **Contracts and Grants Division** is divided into four (4) units: Consultant Contracts, Construction Contracts, Grants/Loans/Audits and Local Economic Development. The Consultant and Construction Units prepare advertisements and contract documents, monitor progress on contract work, including payment and reports, and provide closeout services. The Grants/Loans/Audits Unit provides contract monitoring, closeout, and regular audit functions for construction, consultant services, and construction management projects. Also, the Local Economic Development Unit monitors targeted enterprise participation on contracts, which is mandated by Executive Orders and City Ordinances.

The **Information Systems Division** manages and supports servers, desktop systems, networks, and telephone systems, and related software applications within the department. Systems supported include the EMPAC maintenance management system, customer billing and management system (CBMS), wide area and local area networks and related wiring and cabling infrastructure, intranet and Internet servers, anti-virus and other security related systems. Services and support are also provided for radio systems for both voice and data communications. Additional support services include providing reviews and recommendations on DWSD projects with respect to information systems concerns, participation in the contract bid review process, developing and disseminating information systems related standards for DWSD, maintaining a database of computer, radio, and telephone equipment, and managing the provision of mobile telephones, pagers and radios.

The **Systems Operations Control Division** is directly responsible for pumping treated water to 126 communities and providing wastewater collection services to 78 communities. It remotely operates 22 water booster stations and 12 sewage pumping stations from the new Systems Control Center (SCC). SCC maintains capability for monitoring and controlling the water distribution network and wastewater collection systems. SCC has operational flexibility to compensate for changing water demands by adjusting water pressures and reservoir flows in the water distribution system. SCC also has the ability to adapt to varying wastewater flows by adjusting selected sewer regulator settings, interceptor flow levels and in-system storage facilities. The division generates valuable data on pressures and levels throughout the system on a 24/7 basis and keeps pumpage records and logs on all activities within the system, around the clock. After analysis of data, various daily, weekly, monthly and annual reports are generated and distributed. The division notifies communities and regulatory agencies on all CSO (combined sewer overflow) incidents, coordinates all projects affecting the system and keeps DWSD wholesale customers informed of project impacts in advance. SCC is also the nerve center for the Department's operations.

### **GOALS:**

1. To implement the policies of the Board, Charter requirements and Federal mandates for supplying water services.
2. To provide an adequate level of trained personnel to operate the water systems.
3. To implement a comprehensive agency-wide reference source.
4. To ensure widespread internal knowledge of key messages and to develop a well informed employee base.
5. To educate and inform both retail and wholesale customers and the community about important DWSD projects, initiatives, and water issues.
6. To continuously carry out proactive public safety measures by enhancing security practices at all facilities. These practices are based on a vulnerability assessment conducted for the Environmental Protection Agency (EPA).
7. Information Systems will continue to provide required hardware, software, and technical support services for departmental information system needs, and to facilitate interfaces and communications with City-wide information system activities.
8. Commercial Operations will continue employee training and activities to continue implementation of all applications of the Customer Billing and Management System to ensure improved customer service, revenue billing and collection efforts.

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9. The Meter Operations Division's goals are to increase commercial/industrial water meter reading accuracy, and to increase residential water meter reading accuracy to improve the billing and revenue collection stream, by calibrating and maintaining all the meters installed in the system.
10. To efficiently and effectively process contracts, grants and loans. Also, to encourage local businesses to participate in the Department's contracting process.

### MAJOR INITIATIVES FOR FY 2006-07:

The security division has increased patrol at various DWSD locations. Implementation of security monitoring devices has been executed at all unmanned sites (i.e., pumping and booster stations). The division also conducts ongoing site assessments, and manages any necessary protection enhancements required for:

- Intakes
- Perimeters
- Ovation System
- Chlorinated water plants
- Hazardous chemical buildings and water plants
- Security cameras at Clearwells, main transformers, and emergency generators

Information Systems initiatives planned or implemented include the following:

- Implemented Opt-E-MAN Wide Area Networking department-wide
- Server consolidation (ongoing)
- Developed a departmental Business Requirements Plan document for information systems
- Continue with "evergreening" (scheduled replacement) of computer equipment
- Upgraded Internet firewall (security)
- Implemented upgrades to document management
- Implemented upgrades to the DWSD intranet web Portal
- Implemented Data Center improvements (networks and uninterruptible power systems)
- Implemented environmental (power, temperature, etc.) monitoring for critical DWSD systems
- Implemented security policies for DWSD information systems
- Implemented improvements to the DWSD intranet
- Implemented improvements to PBX management
- Implemented fax server upgrade
- Implemented voice mail system replacement

### PLANNING FOR THE FUTURE FOR FY 2007-08, FY 2008-09 and BEYOND:

Contractor assessment of the five (5) water treatment plant's vulnerability and provide recommendations necessary to secure water system perimeters from potential threats.

The Meters Operations Division is in the process of replacing all non-functioning and outdated water meters within the City of Detroit.

Information Systems initiatives planned include the following:

- Develop recommendations for telephone system improvements (VOIP)
- Develop and implement initiatives to improve Total Cost of Ownership for information systems
- Server consolidation (ongoing)
- Implement and update departmental Business Requirements Plan document for information systems
- Continue with "evergreening" (scheduled replacement) of equipment
- Implement telephone call accounting
- Implement telephone caller ID improvements
- Implement printer/peripheral consolidation program
- Expand information available via the DWSD intranet web Portal
- Implement secure data transfers between business and process control systems

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### ADMINISTRATIVE SERVICES MEASURES AND TARGETS

Type of Performance Measure: List of Measures	2004-05 Actual	2005-06 Actual	2006-07 Projection	2007-08 Target
<b>Inputs: Resources Allocated or Service Demands Made</b>				
City populations served	1 million	900,000	900,000	900,000
Suburban populations served	3.3 million	3.3 million	3.3 million	3.3 million
Number of State Revolving Loan Fund applications	2	2	1	1
Value of loan applications	\$31,000,000	\$25,975,000	\$6,035,000	\$15,000,000
Wholesale Meter Replacement	283	N/A	300	0
Commercial/Industrial Meter Replacement (System Total – 16,000)	3,279	4,650	500	3,000
Residential Meter Replacement (System Total 260,000)	78,152	82,152	12,000	65,000
<b>Activity Costs</b>	<b>\$43,232,542</b>	<b>\$48,719,458</b>	<b>\$51,036,612</b>	<b>\$55,763,368</b>

**CITY OF DETROIT**  
**Water Department**  
**Financial Detail by Appropriation and Organization**

<b>Office of the Director</b> <b>Administration</b>	<b>2006-07</b> <b>Redbook</b>		<b>2007-08</b> <b>Dept Final</b> <b>Request</b>		<b>2007-08</b> <b>Mayor's</b> <b>Budget Rec</b>	
	<b>FTE</b>	<b>AMOUNT</b>	<b>FTE</b>	<b>AMOUNT</b>	<b>FTE</b>	<b>AMOUNT</b>
<i>APPROPRIATION ORGANIZATION</i>						
00085 - Administration						
411010 - Office of the Director	10	\$3,993,580	9	\$470,100	9	\$498,564
411015 - Process Networks and Scada System	0	\$0	18	\$853,717	18	\$905,081
411020 - Public Affairs Division	33	\$939,372	33	\$890,064	33	\$946,261
411030 - Document Management	0	\$143,605	0	\$121,658	0	\$121,658
411040 - General Staff Services	0	\$8,872,909	0	\$8,852,533	0	\$8,424,260
411050 - General Departmental Services	0	\$5,308,540	0	\$4,564,265	0	\$4,564,265
411055 - Water Affordability Program - Water	0	\$1,159,500	0	\$1,159,500	0	\$1,250,000
411060 - Human Resources	0	\$17,058	0	\$18,763	0	\$18,763
411070 - Safety	0	\$296,013	0	\$148,319	0	\$142,639
411080 - Security	130	\$2,889,018	130	\$2,813,599	130	\$2,055,091
411090 - Office of Program Management Assistance	0	\$448,334	0	\$468,350	0	\$468,350
411100 - Print Shop	0	\$167,548	0	\$159,133	0	\$159,133
411110 - Information Systems Administrative Services	49	\$4,352,866	49	\$4,021,843	49	\$4,137,937
411120 - Application Support	0	\$100,087	0	\$124,525	0	\$124,525
411130 - Software Support	0	\$381,650	0	\$437,326	0	\$437,326
411140 - Hardware Support	0	\$144,925	0	\$426,264	0	\$426,264
411150 - Strategic Planning	0	\$6,375	0	\$6,375	0	\$6,375
411160 - Network Support	0	\$212,373	0	\$127,500	0	\$127,500
411180 - Radio/SCADA Infrastructure Support	0	\$194,650	0	\$192,525	0	\$192,525
411190 - Purchasing	0	\$0	0	\$0	0	\$0
411200 - Contracts and Grants	28	\$426,140	28	\$505,298	28	\$505,297
411220 - Commercial Operations	212	\$5,624,479	212	\$5,316,378	212	\$5,770,703
411225 - Customer Billing	0	\$263,536	0	\$950,887	0	\$950,887
411230 - Customer Service - Detroit	0	\$39,318	0	\$39,318	0	\$39,318
411235 - Collections	0	\$83,147	0	\$57,897	0	\$57,897
411240 - Addressograph	0	\$1,139,642	0	\$1,139,588	0	\$1,139,588
411245 - Meter Reading	0	\$21,871	0	\$21,871	0	\$21,871
411250 - Meter Operations	85	\$2,485,818	87	\$2,332,390	87	\$2,515,511
411255 - Meter Records	0	\$16,214	0	\$16,214	0	\$16,214
411260 - Meter Shop	0	\$115,639	0	\$115,716	0	\$115,716
411265 - Meter Instrumentation Shop	0	\$895,174	0	\$895,773	0	\$895,773
411280 - Systems Operations Control	35	\$3,484,613	35	\$5,323,130	35	\$5,539,459

**CITY OF DETROIT**  
**Water Department**  
**Financial Detail by Appropriation and Organization**

<b>Water Technical Services</b>	<b>2006-07 Redbook</b>		<b>2007-08 Dept Final Request</b>		<b>2007-08 Mayor's Budget Rec</b>	
	<b>FTE</b>	<b>AMOUNT</b>	<b>FTE</b>	<b>AMOUNT</b>	<b>FTE</b>	<b>AMOUNT</b>
<b>Administration</b>						
<i>APPROPRIATION ORGANIZATION</i>						
00085 - Administration						
411290 - Water Technical Services	7	\$651,693	7	\$573,300	7	\$622,695
411300 - Operations Services	10	\$519,125	10	\$458,050	10	\$495,223
411310 - Pumping Station - Ford Road	0	\$5,641,800	0	\$686,452	0	\$686,452
411315 - Pumping Station - Eastside	0	\$0	0	\$64,787	0	\$64,787
411320 - Pumping Station - Northwest	0	\$0	0	\$44,930	0	\$44,930
411325 - Pumping Station - West Service Cent	0	\$0	0	\$845,230	0	\$845,230
411330 - Pumping Station - Michigan Avenue	0	\$0	0	\$112,811	0	\$112,811
411335 - Pumping Station - West Chicago Road	0	\$0	0	\$67,575	0	\$67,575
411340 - Pumping Station - Electric Avenue	0	\$0	0	\$31,298	0	\$31,298
411345 - Pumping Station - Orion Township	0	\$0	0	\$43,069	0	\$43,069
411350 - Pumping Station - North Service Cent	0	\$0	0	\$1,722,006	0	\$1,722,006
411355 - Pumping Station - Adams Road	0	\$0	0	\$998,372	0	\$998,372
411360 - Pumping Station - Newburgh	0	\$0	0	\$384,131	0	\$384,131
411365 - Pumping Station - Franklin Road	0	\$0	0	\$1,067,326	0	\$1,067,326
411370 - Pumping Station - Roseville	0	\$0	0	\$12,319	0	\$12,319
411375 - Pumping Station - Saint Clair Shores	0	\$0	0	\$12,916	0	\$12,916
411380 - Pumping Station - Farmington	0	\$0	0	\$43,118	0	\$43,118
411385 - Pumping Station - Wick Road	0	\$0	0	\$479,996	0	\$479,996
411390 - Pumping Station - Joy Road	0	\$0	0	\$586,163	0	\$586,163
411395 - Pumping Station - Schoolcraft	0	\$0	0	\$481,932	0	\$481,932
411400 - Pumping Station - Ypsilanti	0	\$0	0	\$500,142	0	\$500,142
411405 - Pumping Station - Imlay	0	\$0	0	\$3,196,520	0	\$3,196,520
411410 - Pumping Station - Rochester	0	\$0	0	\$250,024	0	\$250,024
411415 - Pumping Station - Haggerty Road	0	\$0	0	\$439,582	0	\$439,582
<b>APPROPRIATION TOTAL</b>	<b>599</b>	<b>\$51,036,612</b>	<b>618</b>	<b>\$55,672,868</b>	<b>618</b>	<b>\$55,763,368</b>
<b>ACTIVITY TOTAL</b>	<b>599</b>	<b>\$51,036,612</b>	<b>618</b>	<b>\$55,672,868</b>	<b>618</b>	<b>\$55,763,368</b>

**CITY OF DETROIT**  
**Budget Development for FY 2007-2008**  
**Appropriations - Summary Objects**

	<b>2006-07 Redbook</b>	<b>2007-08 Dept Final Request</b>	<b>2007-08 Mayor's Budget Rec</b>
<b>AC0541 - Administration Services</b>			
<i>A41000 - Water Department</i>			
SALWAGESL - Salary & Wages	12,463,167	11,016,910	11,016,910
EMPBENESL - Employee Benefi	5,931,470	7,463,710	8,823,228
PROFSVCSL - Professional/Cont	11,127,981	14,180,916	14,180,916
OPERSUPSL - Operating Supplie	4,059,082	4,957,732	4,957,732
OPERSVCSL - Operating Service	20,772,625	27,296,544	26,792,694
CAPEQUPSL - Capital Equipmen	0	0	0
CAPOUTLSL - Capital Outlays/M:	1,650	1,650	1,650
OTHEXPSSL - Other Expenses	(3,319,363)	(9,244,594)	(10,009,762)
<i>A41000 - Water Department</i>	<i>51,036,612</i>	<i>55,672,868</i>	<i>55,763,368</i>
<b>AC0541 - Administration Services</b>	<b>51,036,612</b>	<b>55,672,868</b>	<b>55,763,368</b>
<b>Grand Total</b>	<b>51,036,612</b>	<b>55,672,868</b>	<b>55,763,368</b>



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### ***FINANCIAL SERVICES ACTIVITY INFORMATION***

#### **ACTIVITY DESCRIPTION: FINANCIAL SERVICES GROUP**

The Financial Services Group consists of five (5) divisions, which provide general accounting, purchasing, materials management, financial planning and internal audit services for both (Water Supply and Sewage Treatment Operations) within the department. The divisions reporting to the Financial Services Group include the following:

The **Accounting Division** contains several sections which combined are responsible for directing, coordinating, posting, processing and monitoring activities related to cash receipts and disbursements, investments, bank activities, vendor payments, inventory activities and depreciation of property, plant and equipment, year-end closing and financial operation analysis to facilitate preparation of the trial balance and financial statements. In addition, this division coordinates activities related to the annual city audit, provides financial information as processed by the Oracle system, and performs other related tasks.

The **Financial Planning Division** is responsible for coordination, development, implementation and monitoring activities related to the DWSD operation and maintenance (O&M) budget, water supply and sewage treatment system service rates and charges, coordination of system revenue bond financing, and other related functions for the department.

The **Internal Audit Division** facilitates the department's internal efforts to perform operational audits of transactions, procedures, and processes in various areas within DWSD, analysis and/or other investigative tasks. In addition, this section works with the external auditors to facilitate completion of audit activities. This section reports findings, and makes recommendations when necessary to improve performance of operations, accountability, ensure appropriate accounting controls, and safeguard the department's assets.

The **Materials Management Division** contains several sections when combined make available a supply of goods and services necessary to support DWSD in its mission at all times, under all conditions, at an optimum value per dollar spent while maintaining public confidence. To accomplish this mission, Materials Management recommends policies and procedures, and executes approved policies and procedures regarding inventory control, operation and maintenance of fuel dispensing systems, stocking of materials, new stock number tracking and creation, resource recovery, waste materials collection, interdepartmental mail delivery and auditing the preceding functions. The division also provides limited moving, transportation and warehousing services for materials and equipment.

The **Purchasing Division** ensures goods and services are purchased in the most efficient manner are delivered by the date needed, at the maximum end-use value per dollar spent, and meet the quality specified and finally that during the entire procurement process, the department has complied with all federal, state and local laws, statutes, ordinances, and executive orders that pertain to the procurement process.

#### **GOALS:**

1. To develop and implement fair, equitable water and sewage rates and charges to all system customers using uniform rate methodologies.
2. Improve the integrity and timeliness of posting accounting transactions via the use of the City's Detroit Resource Management System (DRMS), prepare financial statements and perform employee training, and improve customer service.
3. Maintain and/or strive to achieve revenue bond credit ratings upgrades for both systems through continual review and improvement of operational, financial and management policies internal and external to the department.
4. Improve budgetary development and monitoring activities via use of enhanced technology (the City's Budget Resource and Support System-BRASS), business processes and continued employee training in all respective areas, and in the long run reduce operational expenditures where possible emphasizing operational efficiency department-wide.

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5. Perform appropriate internal audit activities, provide recommendations where necessary to facilitate the improvement of operational performance, accountability, ensure appropriate accounting controls, and safeguard the department's assets.
6. Ensure that DWSD has a well-integrated inventory and warehouse system that results in lower inventory and operational costs while customer service levels are maintained or improved. Inventory management must ensure the stock is available while reducing inventory costs; and the warehouse management function must increase productivity and reduce costs by streamlining the physical process of warehousing and producing fewer mistakes.

### MAJOR INITIATIVES FOR FY 2006-07:

- Integration of a new task; creating new stock numbers in EMPAC for DWSD.
- Providing improved definitions to our various warehouses in EMPAC.
- Successful implementation of measures for PB views and power point scorecards for the Materials Management Division (MMD).
- Identifying slow moving items and listing them for DWSD Maintenance and Operations to review for MMD to remove obsolete items from stock.
- Creation of a Period Agreement Database for stock blanket items for MMD to better track contract extension and expiration dates.
- Initiate electronic and online payment processing for DWSD customers.
- Attend the Government Finance Officer Association annual Conference on budget and finance issues.
- Implement the implementation of all new GASB rules.
- Implement E-Learning module for EMPAC training.

### PLANNING FOR THE FUTURE FOR FY 2007-08, FY 2008-09 and BEYOND:

- Continue to provide staff with O/EDS and other technical training related to financial services.
- Attend training/conference for the National Institute of Governmental Purchasing.
- Implement departmental training on EMPAC & DRMS purchasing procedures.
- Upgrade the Customer Billing Management System to version 3.0 of the Enquesta Software.

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### *FINANCIAL SERVICES MEASURES AND TARGETS*

<b>Type of Performance Measure:</b>	<b>2004-05</b>	<b>2005-06</b>	<b>2006-07</b>	<b>2007-08</b>
List of Measures	Actual	Actual	Projection	Target
<b>Inputs: Resources Allocated or Service Demands Made</b>				
Fuel Procurement/Usage (Gallons)	500,411	515,423	530,885	440,000
<b>Efficiency: Program Costs related to Units of Activity</b>				
Stock Inventory Levels (Benchmark – 95%)	98%	98%	99%	99%
<b>Activity Costs</b>	<b>\$4,927,164</b>	<b>\$6,534,966</b>	<b>\$6,670,459</b>	<b>\$5,765,948</b>

**CITY OF DETROIT**  
**Water Department**  
**Financial Detail by Appropriation and Organization**

Office of Assistant Director of Financial Sv Financial Services Group	2006-07 Redbook		2007-08 Dept Final Request		2007-08 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00086 - Financial Services Group						
412010 - Office of Assistant Director of Financi	2	\$1,911,659	2	\$946,358	2	\$642,230
412020 - Financial Administrative Services	8	\$390,406	8	\$301,780	8	\$322,168
412030 - Budget/Fiscal Reporting	0	\$1,827	0	\$1,827	0	\$1,827
412040 - Rates	0	\$221,246	0	\$221,246	0	\$221,246
412080 - General Accounting Administrative Se	61	\$1,380,585	61	\$1,465,465	61	\$1,569,388
412090 - Financial Reporting	0	\$4,250	0	\$4,250	0	\$4,250
412100 - Fixed Assets/Inventory/Payables	0	\$17,935	0	\$17,935	0	\$17,935
412110 - Cash Management	0	\$28,585	0	\$29,861	0	\$29,861
412220 - Purchasing	25	\$562,917	25	\$629,463	25	\$677,794
412230 - Material Management	70	\$2,084,569	70	\$2,085,415	70	\$2,216,901
412235 - Water Plant Stores	0	\$10,960	0	\$10,960	0	\$10,960
412240 - West Yard Warehouse	0	\$6,774	0	\$6,775	0	\$6,775
412245 - CSF - Warehouse	0	\$23,545	0	\$23,545	0	\$23,545
412250 - Operations Support	0	\$8,266	0	\$4,133	0	\$4,133
412255 - Inventory Audit	0	\$5,975	0	\$5,975	0	\$5,975
412260 - Automotive Stores	0	\$10,960	0	\$10,960	0	\$10,960
<b>APPROPRIATION TOTAL</b>	<b>166</b>	<b>\$6,670,459</b>	<b>166</b>	<b>\$5,765,948</b>	<b>166</b>	<b>\$5,765,948</b>
<b>ACTIVITY TOTAL</b>	<b>166</b>	<b>\$6,670,459</b>	<b>166</b>	<b>\$5,765,948</b>	<b>166</b>	<b>\$5,765,948</b>

**CITY OF DETROIT**  
**Budget Development for FY 2007-2008**  
**Appropriations - Summary Objects**

	<b>2006-07 Redbook</b>	<b>2007-08 Dept Final Request</b>	<b>2007-08 Mayor's Budget Rec</b>
<b>AC1041 - Financial Services</b>			
<i>A41000 - Water Department</i>			
SALWAGESL - Salary & Wages	2,829,199	2,515,184	2,515,184
EMPBENESL - Employee Benefi	1,258,673	1,750,323	2,060,479
PROFSVCSL - Professional/Cont	2,482,317	2,416,000	2,416,000
OPERSUPSL - Operating Supplie	269,695	271,695	271,695
OPERSVCSL - Operating Service	728,610	758,980	758,980
CAPEQUPSL - Capital Equipmen	0	0	0
CAPOUTLSL - Capital Outlays/Mi	514	514	514
OTHEXPSSL - Other Expenses	(898,549)	(1,946,748)	(2,256,904)
<i>A41000 - Water Department</i>	6,670,459	5,765,948	5,765,948
<b>AC1041 - Financial Services</b>	<b>6,670,459</b>	<b>5,765,948</b>	<b>5,765,948</b>
<b>Grand Total</b>	<b>6,670,459</b>	<b>5,765,948</b>	<b>5,765,948</b>

## **WATER (41)**

### ***ASSET MAINTENANCE GROUP ACTIVITY INFORMATION***

#### **ACTIVITY DESCRIPTION: ASSET MAINTENANCE GROUP**

Asset Maintenance Group provides maintenance and repair to equipment, facilities and its infrastructures of Detroit Water and Sewerage Department. It also provides maintenance support services to its internal customers such as Water Production, Systems Operations Control and many other operating Divisions of this Department.

**Plants, Buildings, Grounds and Mechanical Maintenance (MM) Division:** This Division provides centralized major maintenance and repair support services at five (5) water plants and 22 water booster stations, customer service centers, Central Services Facility and various other DWSD buildings for the purposes of housekeeping and the grounds maintenance work as well as electrical, mechanical and the other tasks where the skilled trades work is needed. It also provides a support base for the equipment repair, calibration or replacements particularly for HVAC and other building equipment as well as pumps, motors, valves and electrical power distribution equipment. This Division also provides the vehicle fleet management for the Department's fleet of vehicles and mobile construction equipment. This Division assists Maintenance and Construction Division in the repairs of water mains and water distribution system gates, valves, and hydrants.

The **Maintenance and Construction Division** repairs and maintains the water distribution system. The Division is comprised of four (4) districts that maintain all allied appurtenances, such as fire hydrants, water and sewer manholes, valves, water/sewer service lines and storm water basins and lead lines. The Telecommunications, Claims, Dispatch and Field Inspection Forces provide support services in providing service to the Department's nearly 4 million customers.

#### **GOALS:**

The Plants, Buildings, Grounds and Mechanical Maintenance Division's goals are:

1. Improve pumping equipment availability and reliability for the maximum utilization of the water plants and water booster stations.
2. Improve buildings and grounds maintenance of unmanned water booster stations.
3. Improve employees' safety at work locations and the general efficiency and effectiveness of their support function.
4. Continue to implement effective maintenance strategies for critical pumping and other equipment of water plants and water booster stations to realize potential for increased revenue through reliable pumping services.
5. Continue to implement a management succession – planning program.

The Maintenance and Construction Division's goals are:

1. To increase customer satisfaction by reducing the number of water complaints.
2. Establish Divisional Training to reduce lost time accidents, and provide succession training to meet Divisional needs.
3. Establish preventive maintenance programs to improve efficiency.

#### **MAJOR INITIATIVES FOR FY 2006-07:**

- Asset optimization thru continuous asset condition monitoring program, which will then be fully integrated with the Computerized Maintenance Management System for an overall annual operations support cost reduction of approximately 5 percent.

#### **PLANNING FOR THE FUTURE FOR FY 2007-08, FY 2008-09 and BEYOND:**

- Train subordinates to assume additional maintenance management responsibilities to prepare them for the future anticipated retirement of key people in the management rank.

## WATER (41)

### ASSET MAINTENANCE OPERATIONS MEASURES AND TARGETS

Type of Performance Measure:	2004-05	2005-06	2006-07	2007-08
List of Measures	Actual	Actual	Projection	Target
<b>Outputs: Units of Activity directed toward Goals -</b>				
Major Pumping Units Availability – Water (Benchmark – 85%)	92%	95%	95%	95
Sites Maintained	59	59	59	59
Acreage Maintained	1,047	1,047	1,047	1,047
Vehicle Maintenance Performed (Repairs)	5,300	6,113	6,258	6,300
Preventive Maintenance measures implemented on system critical pumping equipment	80%	100%	100%	100%
Main leaks and breaks repaired	1,150	1,290	1,136	1,100
Service leaks repaired	850	577	1,252	700
Services replaced	50	77	28	100
New services installed	25	2	4	20
Old services discontinued	1,600	247	252	1,000
Job completed by plumber	500	480	450	450
Emergency investigations made	33,000	37,209	27,960	29,000
Gate valves repaired or replaced	300	452	1,276	150
Gate wells repaired	40	120	116	20
Fire hydrants repaired or replaced	1,500	10,353	5,696	1,100
New hydrants installed	5	0	0	5
<b>Inputs: Resources Allocated or Service Demands Made:</b>				
Total hydrants in system	30,430	30,430	30,430	30,430
<b>Activity Costs</b>	<b>\$44,047,144</b>	<b>\$47,408,658</b>	<b>\$47,428,209</b>	<b>\$42,602,976</b>

**CITY OF DETROIT**  
**Water Department**  
**Financial Detail by Appropriation and Organization**

<b>Office of Assistant Director Asset Maintena</b> <b>Asset Maintenance Group</b>	<b>2006-07</b> <b>Redbook</b>		<b>2007-08</b> <b>Dept Final</b> <b>Request</b>		<b>2007-08</b> <b>Mayor's</b> <b>Budget Rec</b>	
	<b>FTE</b>	<b>AMOUNT</b>	<b>FTE</b>	<b>AMOUNT</b>	<b>FTE</b>	<b>AMOUNT</b>
<i>APPROPRIATION ORGANIZATION</i>						
00087 - Asset Maintenance Group						
414010 - Office of Assistant Director Asset Mai	7	\$4,911,806	7	\$133,731	7	\$125,771
414130 - Mechanical Operations Administratio	280	\$10,270,607	280	\$11,772,379	280	\$11,154,492
414140 - Ground Maintenance	0	\$36,890	0	\$36,890	0	\$36,890
414150 - Field Operations	0	\$4,519,875	0	\$4,520,303	0	\$4,520,303
414160 - Mechanical Maintenance	0	\$1,623,287	0	\$1,418,097	0	\$1,418,097
414200 - Water Board Building	46	\$1,461,482	46	\$1,525,986	46	\$1,592,988
414240 - Maintenance and Repair 2004	454	\$22,651,751	454	\$20,369,542	454	\$21,660,389
414260 - West Yard	0	\$170,435	0	\$136,850	0	\$136,850
414310 - Maintenance & Repair Administratio	0	\$7,624	0	\$0	0	\$0
414360 - Central Service Facility	1	\$1,774,452	1	\$1,951,081	1	\$1,957,196
<b>APPROPRIATION TOTAL</b>	<b>788</b>	<b>\$47,428,209</b>	<b>788</b>	<b>\$41,864,859</b>	<b>788</b>	<b>\$42,602,976</b>
<b>ACTIVITY TOTAL</b>	<b>788</b>	<b>\$47,428,209</b>	<b>788</b>	<b>\$41,864,859</b>	<b>788</b>	<b>\$42,602,976</b>



**CITY OF DETROIT**  
**Budget Development for FY 2007-2008**  
**Appropriations - Summary Objects**

	<b>2006-07 Redbook</b>	<b>2007-08 Dept Final Request</b>	<b>2007-08 Mayor's Budget Rec</b>
<b>AC1541 - Asset Management</b>			
<i>A41000 - Water Department</i>			
SALWAGESL - Salary & Wages	19,904,707	17,161,767	17,161,767
EMPBENESL - Employee Benefi	10,650,582	11,391,120	13,737,050
PROFSVCSL - Professional/Cont	10,384,000	11,123,248	11,123,248
OPERSUPSL - Operating Supplie	3,025,903	4,143,950	4,143,950
OPERSVCSL - Operating Service	1,923,674	1,853,154	1,853,154
CAPEQUPSL - Capital Equipmen	11,000	9,000	9,000
CAPOUTLSL - Capital Outlays/M:	45,000	45,000	45,000
OTHEXPSSL - Other Expenses	1,483,343	(3,862,380)	(5,470,193)
<i>A41000 - Water Department</i>	<i>47,428,209</i>	<i>41,864,859</i>	<i>42,602,976</i>
<b>AC1541 - Asset Management</b>	<b>47,428,209</b>	<b>41,864,859</b>	<b>42,602,976</b>
<b>Grand Total</b>	<b>47,428,209</b>	<b>41,864,859</b>	<b>42,602,976</b>

## **WATER (41)**

### ***PLANT OPERATIONS - WATER ACTIVITY INFORMATION***

#### ACTIVITY DESCRIPTION: PLANT OPERATIONS - WATER

The **Water Production Division** operates five water treatment plants and three raw water intakes. The plants are responsible for producing drinking water that meets all state, federal and department standards for quality and safety. The plants are also responsible for producing enough water to meet the demand required during peak season.

The **Water Quality Division** is responsible for the testing and reporting of water quality throughout the distribution system to comply with federal and state Safe Drinking Water Act regulations and to provide data for department use. The Division is responsible for investigating customer complaints, disinfecting and testing new or repaired water mains, and investigating facilities for acceptable water quality. The division is also involved in drinking water research projects and source water protection programs.

#### GOALS:

1. Ensure an adequate supply of safe, potable water to all parts of the system.
2. Repair all plant and pumping equipment quickly and efficiently.
3. Increase water system reliability through increased input into the planning process.
4. Respond to all water quality customer complaints by the end of the workday.
5. Continue 100% compliance with drinking water regulations.

#### MAJOR INITIATIVES FOR FY 2006-07:

The Environmental Protection Agency (EPA) promulgated two new rules in January 2006. The Long Term 2 Enhanced Surface Water Treatment Rule and the Stage 2 Disinfection/Disinfection by-product rule. The first rule requires monthly testing of the source water for the microorganisms *cryptosporidium* and *giardia*. The Water Quality Division began testing in October 2006 and will continue for two years. The second rule requires monitoring the Detroit drinking water distribution system for chemicals that may be a health concern. The department has received EPA approval of the Sampling Site Plan that was submitted in September 2006. Monitoring and testing will begin in 2007 and continue through 2008.

The DWSD has been working with the Michigan Department of Environmental Quality (MDEQ) and treatment facilities along the St. Clair River on a real time early warning monitoring system that will detect chemical spills or other contamination events that could cause a change in raw water quality coming into the treatment plants. The MDEQ has purchased the equipment through a Homeland Security grant and selected two DWSD plants as monitoring sites. The equipment will be delivered in January 2007 and staff training will begin after the equipment has been installed.

#### PLANNING FOR THE FUTURE FOR FY 2007-08, FY 2008-09 and BEYOND:

We will continue evaluating skill sets required for various jobs in the division. Plant operations have become highly technical and computer controlled. We will need to change job our specifications and or create new titles that meet operational needs. Once skill sets are identified training programs will need to be put in place to ensure all employees are able to learn and maintain skills to perform their jobs and train subordinates for their succession.

## WATER (41)

### *PLANT OPERATIONS - WATER MEASURES AND TARGETS*

<b>Type of Performance Measure:</b>	<b>2004-05</b>	<b>2005-06</b>	<b>2006-07</b>	<b>2007-08</b>
List of Measures	Actual	Actual	Projection	Target
<b>Inputs: Resources Allocated or Service Demands Made</b>				
Tons of chlorine used	1,700	1752	1,700	1,700
Tons of fluoride used	1,000	750	1,000	1,000
Tons of alum used	1,300	1214	1,300	1,300
Tons of Phosphate (corrosion control)	1,100	1104	1,100	1,100
<b>Activity Costs</b>	<b>\$139,069,389</b>	<b>\$51,941,197</b>	<b>\$51,941,197</b>	<b>\$50,027,251</b>

**CITY OF DETROIT**  
**Water Department**  
**Financial Detail by Appropriation and Organization**

Office of Assistant Director of Water Operations Water Operations Group	2006-07 Redbook		2007-08 Dept Final Request		2007-08 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00088 - Water Operations Group						
415010 - Office of Assistant Director of Water C	6	\$2,381,790	6	\$576,824	6	\$614,729
415020 - Water Works Park	49	\$11,412,316	49	\$10,989,023	49	\$9,163,293
415030 - Springwells Plant	48	\$10,597,936	48	\$11,423,654	48	\$11,753,610
415040 - Northeast Plant	30	\$8,399,119	30	\$9,271,535	30	\$9,488,350
415050 - Southwest Plant	31	\$6,387,560	31	\$6,361,074	31	\$6,579,508
415060 - Lake Huron Plant	27	\$10,679,372	27	\$10,580,485	27	\$10,788,309
415390 - Water Quality	15	\$2,083,104	15	\$1,562,773	15	\$1,639,452
<b>APPROPRIATION TOTAL</b>	<b>206</b>	<b>\$51,941,197</b>	<b>206</b>	<b>\$50,765,368</b>	<b>206</b>	<b>\$50,027,251</b>
<b>ACTIVITY TOTAL</b>	<b>206</b>	<b>\$51,941,197</b>	<b>206</b>	<b>\$50,765,368</b>	<b>206</b>	<b>\$50,027,251</b>

**CITY OF DETROIT**  
**Budget Development for FY 2007-2008**  
**Appropriations - Summary Objects**

	<b>2006-07 Redbook</b>	<b>2007-08 Dept Final Request</b>	<b>2007-08 Mayor's Budget Rec</b>
<b>AC2041 - Plant Operations - Water</b>			
<i>A41000 - Water Department</i>			
SALWAGESL - Salary & Wages	11,337,733	9,957,629	9,957,629
EMPBENESL - Employee Benefi	7,090,810	6,475,379	7,894,958
PROFSVCSL - Professional/Cont	2,790,020	2,873,821	2,873,821
OPERSUPSL - Operating Supplie	6,727,037	6,947,743	6,947,743
OPERSVCSL - Operating Service	21,995,444	24,349,597	24,349,597
OTHEXPSSL - Other Expenses	2,000,153	161,199	(1,996,497)
<i>A41000 - Water Department</i>	<i>51,941,197</i>	<i>50,765,368</i>	<i>50,027,251</i>
<b>AC2041 - Plant Operations - Water</b>	<b>51,941,197</b>	<b>50,765,368</b>	<b>50,027,251</b>
<b>Grand Total</b>	<b>51,941,197</b>	<b>50,765,368</b>	<b>50,027,251</b>

## **WATER (41)**

### ***ENGINEERING SERVICES GROUP ACTIVITY INFORMATION***

#### **ACTIVITY DESCRIPTION: ENGINEERING SERVICES GROUP-WATER**

Engineering Services Group provides engineering services to the remaining four- (4) operational groups within the department. The Group consist of seven (7) broad functional groups: Engineering/Administrative Support, Wastewater Design and Construction, Facilities Design, Water and Sewer Systems, Field Engineering and Combined Sewer Overflow Groups. A description of each group follows:

**Engineering Administration** is headed by the Assistant Director of Engineering Services This person acts as general manager providing overall guidance and direction to the 7 subgroups. The general and assistant superintendents of Engineering guide execution of the day-to-day engineering/contract activities. The Engineering and Administrative Support section provides general support to the Division's other six (6) groups. Support activities include fiscal projection and management, human resources management, material resources management, organizational development and training, statistical operations reporting, project accounting and reporting, and property management.

The **Wastewater Design and Construction Group** is located at the departments wastewater treatment and is singularly responsible for all design and construction of improvements and additions at that plant. As necessary it solicits construction inspection services from the Field Engineering Group inspects construction and alteration of the Wastewater Treatment Plant buildings and equipment for contract conformance. This group reviews drawings and procedures design documents in coordination with the Wastewater Design Group.

The **Facilities Design Group** directs and coordinates the preparation of design reports, cost estimates, and plans and specifications, by in-house or consultant forces, and acts as a resource for construction or field engineering staff efforts for projects related to Department locations and facilities excluding the Wastewater Treatment Plant and sewage pumping stations. All design work related to water production, pumping, metering and storage facilities is serviced by this group.

The **Water & Sewer Systems Group** directs and coordinates the preparation of design reports, cost estimates, plans and specifications for all transmission/distribution mains for water and sewer projects. This group is also responsible for the maintenance of all maps and records associated with the water and sewer system. This group consists of four (4) sections: Urban Design, Planning, Suburban Engineering and Records, and Major Design.

The **Field Engineering Group** plans, directs, and coordinates field engineering personnel in ongoing construction management of water mains, sewers, building construction, and equipment installation contracts; oversees all Water Treatment Plant renovations and provides construction inspection services to the Wastewater Design and Construction Group as necessary to support their efforts; insures the structural integrity of water systems during new and alteration construction work; initiates change orders; and provides locations stake-out under the Miss Dig system.

The **Combined Sewer Overflow (CSO) Group** directs and coordinates the preparation of design reports, cost estimates, and plans and specifications by consultant forces and acts as a resource to the construction or field engineering staff for projects related to CSO.

#### **GOALS:**

1. To perform the related functions of these divisions by reasonably and conservatively coordinating and managing resources via each operational group.
2. To insure that all engineering designs are in compliance with all federal, state and local agency requirements.
3. To insure that all water facilities are constructed in conformity with the plans and specifications, and those specifications are functional.

## **WATER (41)**

### MAJOR INITIATIVES FOR FY 2006-07:

- To provide capacity for increasing water usage design will begin on expansions of Ypsilanti, and Rochester stations.
- To maintain the reliability of the distribution system and to improve the efficiency of the equipment, design will begin on the rehabilitation of the Northeast Water Plant filter control system, and construction will begin on the replacement of obsolete facilities and equipment at Schoolcraft and Wick Road Stations and the Northeast Water Treatment Plant High Lift Pumping Station.
- To provide for customers in newly developing areas, design will begin for the new Chesterfield /Snover Road Station.
- To provide reliability and to provide for customers in newly developing area Design will begin for 96-inch main from Romeo station to Orion Station/Walton Road called North Oakland/Macomb Loop.
- To meet the growing demand in this area Design will begin for 36- main, parallel main in 24-Mile Road from Foss to Fairchild Road.
- To meet the growing demand in this area Design will begin for 36- main, parallel main in 24-Mile from Rochester Road to Foss Road.
- To maintain the reliability of the system design will begin for 48-inch main in Ecorse Road from Belleville Road to Ypsilanti Station
- To improve the efficiency of our designs and decrease duplications of effort, a Consolidated Process Control System and Construction Contract Standardization plan will be designed and implemented.

### PLANNING FOR THE FUTURE FOR FY 2007-08, FY 2008-09 and BEYOND:

- To provide capacity for increasing water usage, construction is planned for expansions of Ypsilanti, and Rochester stations, and replacement of pumps with larger units at Newberg Station and the Northeast Plant High Lift.
- To meet increasing water usage and to provide for newly developing areas, construction is anticipated for the Chesterfield/Snover Road Station.
- To maintain the reliability of the facilities and to meet anticipated water quality regulations, projects are anticipated for improvement to the Northeast Plant High Lift Pumps and Filter Media, the Southwest Plant High and Low Lift Station, Administration Building, Chemical and Filtration Plant and plant-wide Instrumentation and Control systems, and the Springwells Plant Settling Basins.
- To provide reliability and to provide for customers in newly developing area Design will begin for 96-inch main from Romeo station to Orion Station/Walton Road called North Oakland/Macomb Loop.
- To meet the growing demand in this area Design will begin for 36- main, parallel main in 24-Mile Road from Foss to Fairchild Road.
- To meet the growing demand in this area Design will begin for 36- main, parallel main in 24-Mile from Rochester Road to Foss Road.
- To maintain the reliability of the system design will begin for 48-inch main in Ecorse Road from Belleville Road to Ypsilanti Station.

**CITY OF DETROIT**  
**Water Department**  
**Financial Detail by Appropriation and Organization**

<b>Office of Assistant Director of Engineering</b> <b>Engineering Services - Water</b>	<b>2006-07</b> <b>Redbook</b>		<b>2007-08</b> <b>Dept Final</b> <b>Request</b>		<b>2007-08</b> <b>Mayor's</b> <b>Budget Rec</b>	
	<b>FTE</b>	<b>AMOUNT</b>	<b>FTE</b>	<b>AMOUNT</b>	<b>FTE</b>	<b>AMOUNT</b>
<i>APPROPRIATION ORGANIZATION</i>						
05817 - Engineering Services - Water						
413010 - Office of Assistant Director of Engineering	3	\$1,343,301	3	\$134,826	3	\$141,898
413020 - Engineering Administrative Support	138	\$3,739,371	138	\$3,432,906	138	\$3,425,834
413030 - Field Engineering Group	0	\$50,316	0	\$50,316	0	\$50,316
413040 - Water System	0	\$35,791	0	\$34,916	0	\$34,916
413050 - Facilities Design	0	\$17,416	0	\$17,416	0	\$17,416
<b>APPROPRIATION TOTAL</b>	<b>141</b>	<b>\$5,186,195</b>	<b>141</b>	<b>\$3,670,380</b>	<b>141</b>	<b>\$3,670,380</b>
<b>ACTIVITY TOTAL</b>	<b>141</b>	<b>\$5,186,195</b>	<b>141</b>	<b>\$3,670,380</b>	<b>141</b>	<b>\$3,670,380</b>



**CITY OF DETROIT**  
**Budget Development for FY 2007-2008**  
**Appropriations - Summary Objects**

	<b>2006-07 Redbook</b>	<b>2007-08 Dept Final Request</b>	<b>2007-08 Mayor's Budget Rec</b>
<b>AC2541 - Engineering Services - Water</b>			
<i>A41000 - Water Department</i>			
SALWAGESL - Salary & Wages	2,754,653	2,044,364	2,044,364
EMPBENESL - Employee Benefi	935,259	1,470,814	1,762,229
PROFSVCSL - Professional/Cont	52,500	50,000	50,000
OPERSUPSL - Operating Supplie	179,233	179,233	179,233
OPERSVCSL - Operating Service	457,318	472,318	472,318
OTHEXPSSL - Other Expenses	807,232	(546,349)	(837,764)
<i>A41000 - Water Department</i>	<i>5,186,195</i>	<i>3,670,380</i>	<i>3,670,380</i>
<b>AC2541 - Engineering Services - Water</b>	<b>5,186,195</b>	<b>3,670,380</b>	<b>3,670,380</b>
<b>Grand Total</b>	<b>5,186,195</b>	<b>3,670,380</b>	<b>3,670,380</b>

## **WATER (41)**

### ***WATER CAPITAL ACTIVITY INFORMATION***

#### **ACTIVITY DESCRIPTION: WATER – CAPITAL PROGRAM**

The Water Capital Program for the Water Supply System is a five-year plan devoted to rehabilitating and improving existing water treatment plants, pumping stations, system instrumentation, and water meters; replacing deteriorated water distribution mains in the City of Detroit and suburban service area; installing new mains or re-routing existing mains to accommodate new development throughout the City of Detroit; automating the meter reading function; upgrading the instrumentation and process control equipment of the water transmission system; and constructing additional transmission mains and pumping facilities in order to loop the transmission system and bring in more water to the service area from the water treatment plants.

#### **GOALS:**

1. Provide essential, efficient and user-friendly services by:
  - Renovating, improving or replacing water plants, pump stations, transmission and distribution mains, and other facilities to ensure a safe and adequate potable water supply.
  - Continuing the water main replacement program aimed at reducing the number of main breaks and leaks in the City of Detroit, thereby improving service, increasing public safety, and lowering costs to Detroit customers.
  - Automating the meter reading function for the City of Detroit to more accurately measure and bill for water service provided.
  - Continuing to computerize various departmental functions to reduce costs and improve operations.
2. Obtain business growth and expansion by:
  - Constructing those additional mains, booster stations and reservoirs required to ensure an adequate water supply to all existing and new customers.

## WATER (41)

### WATER CAPITAL MEASURES AND TARGETS

Type of Performance Measure: List of Measures	2004-05 Actual	2005-06 Actual	2006-07 Projection	2007-08 Target
<b>Outputs: Units of Activity directed toward Goals</b>				
Number of capital projects – Facilities – Metro Area Construction	12	9	14	11
Value of capital projects – Facilities – Metro Area Construction	1,836,000	2,625,000	4,211,000	31,126,000
Number of capital projects – Facilities – Urban System Improvements	38	38	44	9
Value of capital projects – Facilities – Urban System Improvements	28,443,000	24,567,000	44,621,000	31,005,000
Number of capital projects – Facilities – Mechanical Maintenance	1	3	4	2
Value of capital projects – Facilities – Mechanical Maintenance	300,000	617,000	18,322,000	23,051,000
Number of capital projects – Facilities – Computer Systems	15	13	21	5
Value of capital projects – Facilities – Computer Systems	65,043,000	13,817,000	12,967,000	7,173,000
Number of capital projects – Plant Replacement and Renovation – General Plant	26	23	33	24
Value of capital projects – Plant Replacement and Renovation – General Plant	13,912,000	16,019,000	24,813,000	18,644,000
Number of capital projects – Plant Replacement and Renovation – Water Works Park	6	5	8	4
Value of capital projects – Plant Replacement and Renovation – Water Works Park	6,471,000	17,857,000	3,729,000	5,520,000
Number of capital projects – Plant Replacement and Renovation – Springwells	6	7	8	4
Value of capital projects – Plant Replacement and Renovation – Springwells	13,588,000	4,877,000	7,669,000	9,619,000
Number of capital projects – Plant Replacement and Renovation – Northeast	2	3	5	5
Value of capital projects – Plant Replacement and Renovation – Northeast	935,000	528,000	1,655,000	9,550,000
Number of capital projects – Plant Replacement and Renovation – Southwest	2	3	5	8
Value of capital projects – Plant Replacement and Renovation – Southwest	155,000	338,000	4,710,000	11,231,000
Number of capital projects – Plant Replacement and Renovation – Lake Huron	6	5	5	1
Value of capital projects – Plant Replacement and Renovation – Lake Huron	7,887,000	7,688,000	7,515,000	4,500,000
Number of capital projects – Plant Replacement and Renovation – Pumping Stations and Reservoirs	7	8	12	9
Value of capital projects – Plant Replacement and Renovation – Pumping Stations and Reservoirs	13,253,000	9,189,000	5,557,000	6,200,000
Total number of Projects	121	117	159	82
Total value of Projects	151,823,000	98,122,000	135,769,000	157,619,000
<b>Activity Costs</b>	<b>\$93,996,130</b>	<b>\$143,295,600</b>	<b>\$549,635,264</b>	<b>\$176,400,700</b>

**CITY OF DETROIT**  
**Water Department**  
**Financial Detail by Appropriation and Organization**

<b>Bond Principle &amp; Interest Redemption Fund Debt Service and Maintenance</b>	<b>2006-07 Redbook</b>		<b>2007-08 Dept Final Request</b>		<b>2007-08 Mayor's Budget Rec</b>	
	<b>FTE</b>	<b>AMOUNT</b>	<b>FTE</b>	<b>AMOUNT</b>	<b>FTE</b>	<b>AMOUNT</b>
<i>APPROPRIATION ORGANIZATION</i>						
00163 - Debt Service and Maintenance						
417010 - Bond Principle & Interest Redemption	0	\$116,507,564	0	\$133,906,800	0	\$133,906,800
<b>APPROPRIATION TOTAL</b>	<b>0</b>	<b>\$116,507,564</b>	<b>0</b>	<b>\$133,906,800</b>	<b>0</b>	<b>\$133,906,800</b>
00164 - Water System Improvements						
417030 - Improvement and Extension Water S	0	\$31,084,800	0	\$37,493,900	0	\$37,493,900
<b>APPROPRIATION TOTAL</b>	<b>0</b>	<b>\$31,084,800</b>	<b>0</b>	<b>\$37,493,900</b>	<b>0</b>	<b>\$37,493,900</b>
00583 - Water Extraordinary Repair and Replacer						
417060 - Water Extraordinary Repair and Repl	0	\$196,200	0	\$0	0	\$0
<b>APPROPRIATION TOTAL</b>	<b>0</b>	<b>\$196,200</b>	<b>0</b>	<b>\$0</b>	<b>0</b>	<b>\$0</b>
05733 - Reserve Deposit						
417020 - Debt Service Reserve	0	\$1,846,700	0	\$0	0	\$5,000,000
<b>APPROPRIATION TOTAL</b>	<b>0</b>	<b>\$1,846,700</b>	<b>0</b>	<b>\$0</b>	<b>0</b>	<b>\$5,000,000</b>
12140 - Water Bond Fund Series 2007						
417161 - Water Bond Fund Series 2007	0	\$400,000,000	0	\$0	0	\$0
<b>APPROPRIATION TOTAL</b>	<b>0</b>	<b>\$400,000,000</b>	<b>0</b>	<b>\$0</b>	<b>0</b>	<b>\$0</b>
<b>ACTIVITY TOTAL</b>	<b>0</b>	<b>\$549,635,264</b>	<b>0</b>	<b>\$171,400,700</b>	<b>0</b>	<b>\$176,400,700</b>

**CITY OF DETROIT**  
**Budget Development for FY 2007-2008**  
**Appropriations - Summary Objects**

	<b>2006-07</b>	<b>2007-08</b>	<b>2007-08</b>
	<b>Redbook</b>	<b>Dept Final</b>	<b>Mayor's</b>
		<b>Request</b>	<b>Budget Rec</b>
<b>AC3041 - Water - Capital and Debt Service</b>			
<i>A41000 - Water Department</i>			
CAPEQUPSL - Capital Equipmen	7,500,000	7,500,000	7,500,000
OTHEXPSSL - Other Expenses	425,627,700	29,993,900	34,993,900
FIXEDCHGSL - Fixed Charges	116,507,564	133,906,800	133,906,800
<i>A41000 - Water Department</i>	<i>549,635,264</i>	<i>171,400,700</i>	<i>176,400,700</i>
<b>AC3041 - Water - Capital and Debt Service</b>	<b>549,635,264</b>	<b>171,400,700</b>	<b>176,400,700</b>
<b>Grand Total</b>	<b>549,635,264</b>	<b>171,400,700</b>	<b>176,400,700</b>

**CITY OF DETROIT**  
**Budget Development for FY 2007-2008**  
**Appropriation Summary - Revenues**

	2005-06 Actuals	2006-07 Redbook	2007-08 Dept Final Request	2007-08 Mayor's Budget Rec	Variance
<b>A41000 - Water Department</b>					
<i>00758 - Water Bond Reserve</i>					
461100 - Earnings On Investment	3,099,004	0	0	0	0
461101 - Unrealized Gain	827,902	0	0	0	0
<i>00758 - Water Bond Reserve</i>	<i>3,926,906</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>04826 - Revenue - Water Receiving</i>					
440160 - Maint & Construction-Hy	0	0	2,207,100	2,207,100	2,207,100
441100 - Other Labors and Mater	54,717	600,000	600,000	600,000	0
441110 - Other Lbr & Matl Meter	66,807	0	0	0	0
447210 - Water Sales - Retail	57,049,150	77,410,525	79,214,379	84,304,879	6,894,354
447215 - Water Sales - Wholesal	205,581,302	218,905,663	229,901,884	229,901,884	10,996,221
447300 - Other Utility Revenue	16,080,679	0	0	0	0
447305 - Sales-Salv, Confis, Supl	19,346	0	0	0	0
448115 - Other Fees	243,626	0	202,400	202,400	202,400
448170 - Other Fee-Shut Off-Turr	5,037	0	0	0	0
448190 - Illegal Turn on Penalty	3,180	0	0	0	0
448195 - Service Disconnection F	40,668	0	0	0	0
461100 - Earnings On Investment	975,825	332,000	658,200	658,200	326,200
462241 - Rent of Building and Sp	228,848	0	0	0	0
471905 - Contributed Revenue	1,255,255	0	0	0	0
472100 - Other Forfeits And Penz	16,300	0	0	0	0
472117 - Late Payment Fee	1,139,112	1,159,500	0	0	(1,159,500)
472150 - Other Miscellaneous	302,841	2,740,500	0	0	(2,740,500)
472220 - Ng Check Service Charç	20,320	0	0	0	0
472255 - Sale Of Equipment	113,633	0	0	0	0
472260 - Sale Of Equipment - Me	11,331	0	0	0	0
474100 - Miscellaneous Receipts	197,357	770,848	431,860	431,860	(338,988)
474130 - Misc Recpts-Cash Over	762	0	0	0	0
<i>04826 - Revenue - Water Receiving</i>	<i>283,406,096</i>	<i>301,919,036</i>	<i>313,215,823</i>	<i>318,306,323</i>	<i>16,387,287</i>
<i>04827 - Revenue - Water Operation -Maintenance</i>					
461100 - Earnings On Investment	313,706	0	0	0	0
461101 - Unrealized Gain	(14,324)	0	0	0	0
472150 - Other Miscellaneous	146	0	0	0	0
<i>04827 - Revenue - Water Operation -M</i>	<i>299,528</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>00163 - Debt Service and Maintenance</i>					
461100 - Earnings On Investment	2,381,796	2,037,500	3,365,700	3,365,700	1,328,200
461101 - Unrealized Gain	(57,109)	0	0	0	0
<i>00163 - Debt Service and Maintenance</i>	<i>2,324,687</i>	<i>2,037,500</i>	<i>3,365,700</i>	<i>3,365,700</i>	<i>1,328,200</i>
<i>00164 - Water System Improvements</i>					
461100 - Earnings On Investment	324,839	666,400	981,800	981,800	315,400

**CITY OF DETROIT**  
**Budget Development for FY 2007-2008**  
**Appropriation Summary - Revenues**

	2005-06 Actuals	2006-07 Redbook	2007-08 Dept Final Request	2007-08 Mayor's Budget Rec	Variance
<b>A41000 - Water Department</b>					
00164 - Water System Improvements					
461101 - Unrealized Gain	(118,787)	0	0	0	0
00164 - Water System Improvements	206,052	666,400	981,800	981,800	315,400
00583 - Water Extraordinary Repair and Replacem					
461100 - Earnings On Investment	948,439	969,300	987,400	987,400	18,100
461101 - Unrealized Gain	(150,079)	0	0	0	0
00583 - Water Extraordinary Repair and Replacem	798,360	969,300	987,400	987,400	18,100
10257 - Water Construction Bond Fund Series 19					
461100 - Earnings On Investment	20,032	0	0	0	0
10257 - Water Construction Bond Fund Series 19	20,032	0	0	0	0
10647 - Water Bond Fund - Series 2001					
461100 - Earnings On Investment	18,618	0	0	0	0
10647 - Water Bond Fund - Series 2001	18,618	0	0	0	0
11119 - Water Bond Fund Series 2003					
461100 - Earnings On Investment	412,490	0	0	0	0
471905 - Contributed Revenue	470,500	0	0	0	0
11119 - Water Bond Fund Series 2003	882,990	0	0	0	0
11487 - Water Bond Fund Series 2005					
461100 - Earnings On Investment	8,975,210	0	10,589,400	10,589,400	10,589,400
461101 - Unrealized Gain	886,317	0	0	0	0
11487 - Water Bond Fund Series 2005	9,861,527	0	10,589,400	10,589,400	10,589,400
12140 - Water Bond Fund Series 2007					
461100 - Earnings On Investment	0	6,305,700	0	0	(6,305,700)
522100 - Sale Of Bonds	0	400,000,000	0	0	(400,000,000)
12140 - Water Bond Fund Series 2007	0	406,305,700	0	0	(406,305,700)
<b>A41000 - Water Department</b>	<b>301,744,796</b>	<b>711,897,936</b>	<b>329,140,123</b>	<b>334,230,623</b>	<b>(377,667,313)</b>
<b>Grand Total</b>	<b>301,744,796</b>	<b>711,897,936</b>	<b>329,140,123</b>	<b>334,230,623</b>	<b>(377,667,313)</b>

**CITY OF DETROIT**  
**MAYOR'S 2007/2008 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY 2006	DEPT REQUEST	MAYORS FY 2007
Organization	2007 FTE	FY 2007 2008	2008 FTE
Classification			
<b>00085 - Administration</b>			
<b>411010 - Office of the Director</b>			
Director - DWSD	1	1	1
Deputy Director - DWSD	1	1	1
Process Control System Manager	1	0	0
Proc & Qual Control Mgr-DWSD	1	1	1
Admin Asst GD II - DWSD	2	2	2
Executive Secretary III	1	1	1
Executive Secretary II	2	2	2
Community Services Assistant	1	1	1
<b>Total Office of the Director</b>	<b>10</b>	<b>9</b>	<b>9</b>
<b>411015 - Process Networks and Scada Syste</b>			
Manager I - DWSD	0	3	3
Water Sys Cntrl Instr Tech	0	9	9
Manager II - DWSD	0	5	5
Process Control System Manager	0	1	1
<b>Total Process Networks and Scada Systems</b>	<b>0</b>	<b>18</b>	<b>18</b>
<b>411020 - Public Affairs Division</b>			
General Manager - DWSD	1	1	1
Manager I - DWSD	1	1	1
Administrative Specialist I	2	2	2
Principal Governmental Analyst	2	2	2
Web Editor	3	3	3
Publicist II	1	1	1
Sr Promotional Activities Asst	6	6	6
Promotional Activities Assist	1	1	1
Principal Graphic Designer	1	1	1
Graphic Designer	2	2	2
Audio Visual Srves Sprv	1	1	1
Audio Visual Technician IV	2	2	2
Audio Visual Technician III	2	2	2
Audio Visual Technician II	2	2	2
Photographer - General	1	1	1



**CITY OF DETROIT**  
**MAYOR'S 2007/2008 RECOMMENDED BUDGET**

**Water Department**

<b>Appropriation</b>	<b>REDBOOK FY 2006</b>	<b>DEPT REQUEST</b>	<b>MAYORS FY 2007</b>
<b>Organization</b>	<b>2007 FTE</b>	<b>FY 2007 2008</b>	<b>2008 FTE</b>
<b>Classification</b>			
<b>00085 - Administration</b>			
<b>411020 - Public Affairs Division</b>			
Principal Clerk	2	2	2
Senior Clerk	1	1	1
Office Assistant III	1	1	1
Office Assistant II	1	1	1
<b>Total Public Affairs Division</b>	<b>33</b>	<b>33</b>	<b>33</b>
<b>411080 - Security</b>			
Chief DWSD Security Administr	1	1	1
Asst Chief-DWSD Security-Admin	1	1	1
Sprv Srve Guard - GD II	4	4	4
Sprv Srve Guard - GD I	5	5	5
Security Specialist	12	12	12
Sr Governmental Analyst	1	1	1
Senior Clerk	1	1	1
Senior Stenographer	1	1	1
Office Assistant II	1	1	1
Clerk	1	1	1
Senior Service Guard - Water	12	12	12
Service Guard - Public Utility	90	90	90
<b>Total Security</b>	<b>130</b>	<b>130</b>	<b>130</b>
<b>411110 - Information Systems Administrative</b>			
General Manager - DWSD	1	1	1
Manager I - DWSD	1	1	1
Dept Info Tech Network Splst	4	4	4
Prin Data Proc Prog Analyst	4	4	4
Sr Data Proc Prog Analyst	11	11	11
Inter Data Proc Prog Analyst	7	7	7
Sr Data Proc Telecomm Tech	4	4	4
Office Management Assistant	1	1	1
Sr Governmental Analyst	1	1	1
Microcomputer Support Splst	7	7	7
Eng Support Specialist II	2	2	2

**CITY OF DETROIT**  
**MAYOR'S 2007/2008 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY 2006	DEPT REQUEST	MAYORS FY 2007
Organization	2007 FTE	FY 2007 2008	2008 FTE
Classification			
<b>00085 - Administration</b>			
<b>411110 - Information Systems Administrative</b>			
Principal Clerk	1	1	1
Office Assistant III	1	1	1
Info Tech Client Supp Asst	1	1	1
System Programming Coordinator	1	1	1
Senior Clerk	2	2	2
<b>Total Information Systems Administrative Ser</b>	<b>49</b>	<b>49</b>	<b>49</b>
<b>411200 - Contracts and Grants</b>			
General Manager - DWSD	1	1	1
Manager I - DWSD	2	2	2
Principal Governmental Analyst	4	4	4
Sr Governmental Analyst	15	15	15
Principal Clerk	1	1	1
Senior Clerk	1	1	1
Office Assistant III	4	4	4
<b>Total Contracts and Grants</b>	<b>28</b>	<b>28</b>	<b>28</b>
<b>411220 - Commercial Operations</b>			
Manager II - DWSD	1	1	1
Manager I - DWSD	1	1	1
Commercial Oper Specialist III	5	5	5
Commercial Oper Specialist II	19	19	19
Commercial Oper Specialist I	12	12	12
Supervisor of Mail Operations	1	1	1
Office Management Assistant	1	1	1
Office Automation Support Asst	2	2	2
Customer Service Rep I	35	35	35
Customer Service Rep II	34	34	34
Customer Service Rep III	15	15	15
Permit Investigator - DWSD	4	4	4
Field Services Rep	18	18	18
Customer Services Supervisor	2	2	2
Sr. Water Meter Reader	38	38	38

**CITY OF DETROIT**  
**MAYOR'S 2007/2008 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY 2006	DEPT REQUEST	MAYORS FY 2007
Organization	2007 FTE	FY 2007 2008	2008 FTE
Classification			
<b>00085 - Administration</b>			
<b>411220 - Commercial Operations</b>			
Field Operations Sprvr	7	7	7
Admin Sprv - Field Operations	1	1	1
Mail Processor	3	3	3
Office Assistant III	13	13	13
<b>Total Commercial Operations</b>	<b>212</b>	<b>212</b>	<b>212</b>
<b>411250 - Meter Operations</b>			
Manager II - DWSD	1	1	1
Manager I - DWSD	1	1	1
Administrative Specialist I	1	1	1
Office Management Assistant	1	1	1
Principal Governmental Analyst	1	1	1
Sr Governmental Analyst	1	1	1
Control Instru Tech -Foreman	1	1	1
Cont Instr Tech Sub-Foreman-Wa	2	2	2
Water Sys Cntrl Instr Tech	7	7	7
Sr Water Meter Foreman	1	1	1
Water Meter Foreman	4	4	4
Sr Water Meter Mechanic	3	3	3
Water Meter Mechanic	7	7	7
Water Meter Worker	18	18	18
Mechanical Helper	23	23	23
Senior Clerk	4	4	4
Office Assistant III	3	3	3
Clerk	2	2	2
Office Assistant II	3	3	3
Storekeeper	1	1	1
Principal Clerk	0	2	2
<b>Total Meter Operations</b>	<b>85</b>	<b>87</b>	<b>87</b>
<b>411280 - Systems Operations Control</b>			
Chief Water Systems Sprv	1	1	1
Head Eng - Water Sys-Operation	1	1	1

**CITY OF DETROIT**  
**MAYOR'S 2007/2008 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY 2006	DEPT REQUEST	MAYORS FY 2007
Organization	2007 FTE	FY 2007 2008	2008 FTE
Classification			
<b>00085 - Administration</b>			
<b>411280 - Systems Operations Control</b>			
Engineer of Water Systems	1	1	1
Sr Assoc Civil Eng - Design	2	2	2
Water Sys Cntrl Instr Tech	3	3	3
Cont Instr Tech Sub-Foreman-Wa	1	1	1
Proc Control Center Supervisor	5	5	5
Proc Control Center Operator	5	5	5
Sr Water Plant Operator	14	14	14
Microcomputer Support Splst	1	1	1
Sr Data Proc Prog Analyst	1	1	1
<b>Total Systems Operations Control</b>	<b>35</b>	<b>35</b>	<b>35</b>
<b>411290 - Water Technical Services</b>			
Engineer of Wastewater Systems	2	2	2
Sr Assoc Civil Eng - Design	1	1	1
Sr Assoc Elect Eng - Design	1	1	1
Sr Assoc Mech Eng - Operation	1	1	1
Assoc Elect Eng - Design	1	1	1
Assoc Mech Eng - Design	1	1	1
<b>Total Water Technical Services</b>	<b>7</b>	<b>7</b>	<b>7</b>
<b>411300 - Operations Services</b>			
Sr Pitometer Technician	3	3	3
Pitometer Technician	5	5	5
Principal Clerk	1	1	1
Office Management Assistant	1	1	1
<b>Total Operations Services</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>Total Administration</b>	<b>599</b>	<b>618</b>	<b>618</b>
<b>00086 - Financial Services Group</b>			
<b>412010 - Office of Assistant Director of Finan</b>			
Asst Director-DWSD Admin Sup	1	1	1
Office Management Assistant	1	1	1
<b>Total Office of Assistant Director of Financial</b>	<b>2</b>	<b>2</b>	<b>2</b>

**CITY OF DETROIT**  
**MAYOR'S 2007/2008 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY 2006	DEPT REQUEST	MAYORS FY 2007
Organization	2007 FTE	FY 2007 2008	2008 FTE
Classification			
<b>00086 - Financial Services Group</b>			
<b>412020 - Financial Administrative Services</b>			
Manager I - DWSD	3	3	3
Senior Auditor	1	1	1
Principal Governmental Analyst	1	1	1
Sr Governmental Analyst	3	3	3
<b>Total Financial Administrative Services</b>	<b>8</b>	<b>8</b>	<b>8</b>
<b>412080 - General Accounting Administrative</b>			
Manager II - DWSD	1	1	1
Manager I - DWSD	3	3	3
Administrative Specialist I	1	1	1
Principal Accountant	4	4	4
Senior Accountant	19	19	19
Senior Bookkeeper	1	1	1
Head Clerk	1	1	1
Principal Clerk	7	7	7
Senior Voucher Audit Clerk	6	6	6
Voucher Audit Clerk	2	2	2
Senior Clerk	5	5	5
Senior Teller	7	7	7
Office Assistant II	1	1	1
Teller	3	3	3
<b>Total General Accounting Administrative Ser</b>	<b>61</b>	<b>61</b>	<b>61</b>
<b>412220 - Purchasing</b>			
Manager II - DWSD	1	1	1
Principal Purchases Agent	1	1	1
Purchases Agent III	12	12	12
Purchasing Assistant	2	2	2
Office Management Assistant	1	1	1
Head Clerk	1	1	1
Principal Clerk	1	1	1
Senior Clerk	3	3	3

**CITY OF DETROIT**  
**MAYOR'S 2007/2008 RECOMMENDED BUDGET**

**Water Department**

Appropriation Organization Classification	REDBOOK FY 2006 2007 FTE	DEPT REQUEST FY 2007 2008	MAYORS FY 2007 2008 FTE
<b>00086 - Financial Services Group</b>			
<b>412220 - Purchasing</b>			
Office Assistant III	3	3	3
<b>Total Purchasing</b>	<b>25</b>	<b>25</b>	<b>25</b>
<b>412230 - Material Management</b>			
Manager I - DWSD	1	1	1
Business System Support Splst	1	1	1
Office Management Assistant	1	1	1
Stores Operations Supervisor	3	3	3
Head Storekeeper	4	4	4
Senior Storekeeper	13	13	13
Storekeeper	27	27	27
Principal Governmental Analyst	1	1	1
Sr Governmental Analyst	6	6	6
Principal Clerk	2	2	2
Senior Clerk	5	5	5
Office Assistant III	1	1	1
Delivery - Driver	5	5	5
<b>Total Material Management</b>	<b>70</b>	<b>70</b>	<b>70</b>
<b>Total Financial Services Group</b>	<b>166</b>	<b>166</b>	<b>166</b>
<b>00087 - Asset Maintenance Group</b>			
<b>414010 - Office of Assistant Director Asset M.</b>			
Asst Dir of DWSD - Asset Maint	1	1	1
Asst Director-DWSD Admin Sup	1	1	1
Manager II - DWSD	1	1	1
Manager I - DWSD	2	2	2
Head Eng - Water Sys-Operation	1	1	1
Office Management Assistant	1	1	1
<b>Total Office of Assistant Director Asset Mainte</b>	<b>7</b>	<b>7</b>	<b>7</b>
<b>414130 - Mechanical Operations Administrat</b>			
Sr Sprv of Mechanical Maint	1	1	1
Water/Wastewater Sys Maint Eng	1	1	1

**CITY OF DETROIT**  
**MAYOR'S 2007/2008 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY 2006	DEPT REQUEST	MAYORS FY 2007
Organization	2007 FTE	FY 2007 2008	2008 FTE
Classification			
<b>00087 - Asset Maintenance Group</b>			
<b>414130 - Mechanical Operations Administrat</b>			
Asst Sewer Safety Inspector	1	1	1
Manager II - DWSD	2	2	2
Sr Assoc Mech Eng - Operation	1	1	1
Sr Assoc Elect Eng - Waste	1	1	1
Assoc Mech Eng - Maintenance	1	1	1
Assoc Elect Eng - Design	1	1	1
Sr Governmental Analyst	1	1	1
Head Clerk	1	1	1
Senior Clerk	3	3	3
Office Assistant III	2	2	2
Office Assistant II	4	4	4
Clerk	2	2	2
Plant Maintenance Sr Foreman	3	3	3
Plant Maintenance Foreman	9	9	9
Plant Maintenance Sub-Foreman	8	8	8
Plant Maintenance Mechanic	5	5	5
Elect Worker Foreman	1	1	1
Elect Worker Sub-Foreman	5	5	5
Elect Worker - General	15	15	15
Elect Repair Worker - General	8	8	8
Electrical Helper	2	2	2
Sr Auto Repair Foreman	1	1	1
Auto Repair Foreman	10	10	10
General Auto Mechanic	40	40	40
Auto Mechanic	18	18	18
Auto Repair Helper	2	2	2
Park Maintenance Opr Asst	1	1	1
Park Maintenance Sprv -GD II	1	1	1
Park Maintenance Foreman	2	2	2
Park Maintenance Sub-Foreman	2	2	2
Park Maintenance Worker	9	9	9

**CITY OF DETROIT**  
**MAYOR'S 2007/2008 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY 2006	DEPT REQUEST	MAYORS FY 2007
Organization	2007 FTE	FY 2007 2008	2008 FTE
Classification			
<b>00087 - Asset Maintenance Group</b>			
<b>414130 - Mechanical Operations Administrat</b>			
Park Maintenance Helper	7	7	7
Preventive Maintenance Coord	1	1	1
Machinist Sub-Foreman	1	1	1
General Machinist	8	8	8
General Blacksmith	1	1	1
Carpenter Foreman	1	1	1
Finish Carpenter	6	6	6
Painter Foreman	1	1	1
Finish Painter	13	13	13
Roofer	1	1	1
Plumber	1	1	1
Bricklayer	1	1	1
Maintenance Millwright	9	9	9
General Welder	6	6	6
Sheet Metal Worker	3	3	3
Water Systems Equip Mechanic	2	2	2
Repair Mechanic	5	5	5
Mechanical Helper	9	9	9
Supervising Bldg Attendant II	1	1	1
Supervising Bldg Attendant I	2	2	2
Building Attendant A	21	21	21
Bldg Trades Worker-Gen	3	3	3
Building Trades Helper	3	3	3
Sewer Safety Inspector	1	1	1
Sewer Safety Helper	2	2	2
Vehicle Operator I	6	6	6
Delivery - Driver	1	1	1
<b>Total Mechanical Operations Administration</b>	<b>280</b>	<b>280</b>	<b>280</b>
<b>414200 - Water Board Building</b>			
Bldg and Grds Maint Sprv	1	1	1
Bldg Oper Sprv - Grade II	1	1	1



**CITY OF DETROIT**  
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**Water Department**

Appropriation	REDBOOK FY 2006	DEPT REQUEST	MAYORS FY 2007
Organization	2007 FTE	FY 2007 2008	2008 FTE
Classification			
<b>00087 - Asset Maintenance Group</b>			
<b>414200 - Water Board Building</b>			
Supervising Bldg Attendant II	1	1	1
Supervising Bldg Attendant I	1	1	1
Sr Pub Srve Attendant-Elev Ope	1	1	1
Building Operator I	3	3	3
Building Attendant A	24	24	24
Elect Worker - General	3	3	3
Elect Repair Worker - General	4	4	4
Elevator Mechanic	4	4	4
Garage Attendant	2	2	2
Senior Clerk	1	1	1
<b>Total Water Board Building</b>	<b>46</b>	<b>46</b>	<b>46</b>
<b>414240 - Maintenance and Repair 2004</b>			
Admin Asst GD II - DWSD	1	1	1
Super-Water Sys Maint & Const	1	1	1
Asst Super Water Sys Maint	1	1	1
Sprv of Water Sys Maint	2	2	2
Asst Sprv Water Sys Maint	6	6	6
Sr Water Sys Maint Dispatcher	1	1	1
Water Sys Maint Dispatcher	15	15	15
Drafting Technician III	1	1	1
Drafting Technician II	1	1	1
Water Systems Foreman	18	18	18
Sr Water Systems Mechanic	40	40	40
Water Systems Mechanic	95	95	95
Water Systems Repair Worker	136	136	136
Water Systems Helper	31	31	31
Telecomm Center Sprv - DWSD	1	1	1
Construction Equip Operator	22	22	22
Miner	2	2	2
Service Information Clerk	12	12	12
Senior Stenographer	1	1	1

**CITY OF DETROIT**  
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**Water Department**

Appropriation Organization Classification	REDBOOK FY 2006 2007 FTE	DEPT REQUEST FY 2007 2008	MAYORS FY 2007 2008 FTE
<b>00087 - Asset Maintenance Group</b>			
<b>414240 - Maintenance and Repair 2004</b>			
Principal Clerk	1	1	1
Bricklayer	4	4	4
Master Plumber	1	1	1
Plumber	4	4	4
Senior Clerk	7	7	7
Clerk	6	6	6
Vehicle Operator III	13	13	13
Vehicle Operator I	18	18	18
Sewer Inspector - Video Equip	2	2	2
Prin Construct Inspector-DWSD	1	1	1
Sr Construction Inspector	1	1	1
Construction Inspector	1	1	1
Sewer Safety Inspector	2	2	2
Asst Sewer Safety Inspector	2	2	2
Sewer Safety Helper	4	4	4
<b>Total Maintenance and Repair 2004</b>	<b>454</b>	<b>454</b>	<b>454</b>
<b>414360 - Central Service Facility</b>			
Bldg Opers Sprv Central Servic	1	1	1
<b>Total Central Service Facility</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Total Asset Maintenance Group</b>	<b>788</b>	<b>788</b>	<b>788</b>
<b>00088 - Water Operations Group</b>			
<b>415010 - Office of Assistant Director of Water</b>			
Asst Dir -DWSD Water Supply Op	1	1	1
Water Production&Operation Mgr	1	1	1
Admin Asst GD II - DWSD	2	2	2
Office Management Assistant	1	1	1
Clerk	1	1	1
<b>Total Office of Assistant Director of Water Op</b>	<b>6</b>	<b>6</b>	<b>6</b>
<b>415020 - Water Works Park</b>			
Water Treatment Plant Manager	1	1	1

**CITY OF DETROIT**  
**MAYOR'S 2007/2008 RECOMMENDED BUDGET**

**Water Department**

Appropriation	REDBOOK FY 2006	DEPT REQUEST	MAYORS FY 2007
Organization	2007 FTE	FY 2007 2008	2008 FTE
Classification			
<b>00088 - Water Operations Group</b>			
<b>415020 - Water Works Park</b>			
Sprv Filtration	1	1	1
Plant Maintenance Foreman	1	1	1
Plant Maintenance Sub-Foreman	1	1	1
Head Water Plant Operator	5	5	5
Sr Water Plant Operator	4	4	4
Water Plant Operator	10	10	10
Water Sys Cntrl Instr Tech	1	1	1
Water Plant Attendant	1	1	1
Elect Worker - General	1	1	1
Elect Repair Worker - General	1	1	1
Senior Water Systems Chemist	5	5	5
Water Systems Chemist	5	5	5
Sr Water Sys Lab Technician	1	1	1
Plant Maintenance Mechanic	3	3	3
Repair Mechanic	2	2	2
Mechanical Helper	4	4	4
Electrical Helper	1	1	1
Principal Clerk	1	1	1
<b>Total Water Works Park</b>	<b>49</b>	<b>49</b>	<b>49</b>
<b>415030 - Springwells Plant</b>			
Water Treatment Plant Manager	1	1	1
Sprv Filtration	1	1	1
Plant Maintenance Foreman	1	1	1
Plant Maintenance Sub-Foreman	1	1	1
Plant Maintenance Mechanic	5	5	5
Repair Mechanic	2	2	2
Water Sys Cntrl Instr Tech	1	1	1
Senior Water Systems Chemist	5	5	5
Water Systems Chemist	4	4	4
Head Water Plant Operator	5	5	5
Sr Water Plant Operator	4	4	4

**CITY OF DETROIT**  
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**Water Department**

Appropriation	REDBOOK FY 2006	DEPT REQUEST	MAYORS FY 2007
Organization	2007 FTE	FY 2007 2008	2008 FTE
Classification			
<b>00088 - Water Operations Group</b>			
<b>415030 - Springwells Plant</b>			
Water Plant Operator	10	10	10
Water Plant Attendant	4	4	4
Elect Worker - General	1	1	1
Elect Repair Worker - General	1	1	1
Electrical Helper	1	1	1
Senior Clerk	1	1	1
<b>Total Springwells Plant</b>	<b>48</b>	<b>48</b>	<b>48</b>
<b>415040 - Northeast Plant</b>			
Water Treatment Plant Manager	1	1	1
Sprv Filtration	1	1	1
Plant Maintenance Foreman	1	1	1
Plant Maintenance Sub-Foreman	1	1	1
Plant Maintenance Mechanic	4	4	4
Senior Water Systems Chemist	6	6	6
Water Sys Cntrl Instr Tech	1	1	1
Head Water Plant Operator	4	4	4
Water Plant Operator	6	6	6
Elect Worker - General	1	1	1
Elect Repair Worker - General	1	1	1
Electrical Helper	1	1	1
Repair Mechanic	1	1	1
Principal Clerk	1	1	1
<b>Total Northeast Plant</b>	<b>30</b>	<b>30</b>	<b>30</b>
<b>415050 - Southwest Plant</b>			
Water Treatment Plant Manager	1	1	1
Head Water Plant Operator	1	1	1
Sr Water Plant Operator	5	5	5
Water Plant Operator	5	5	5
Plant Maintenance Foreman	1	1	1
Plant Maintenance Sub-Foreman	1	1	1
Plant Maintenance Mechanic	2	2	2

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**Water Department**

Appropriation	REDBOOK FY 2006	DEPT REQUEST	MAYORS FY 2007
Organization	2007 FTE	FY 2007 2008	2008 FTE
Classification			
<b>00088 - Water Operations Group</b>			
<b>415050 - Southwest Plant</b>			
Senior Water Systems Chemist	5	5	5
Sprv Filtration	1	1	1
Water Sys Cntrl Instr Tech	1	1	1
Elect Worker - General	1	1	1
Elect Repair Worker - General	1	1	1
Repair Mechanic	2	2	2
Plumber	1	1	1
Mechanical Helper	2	2	2
Senior Clerk	1	1	1
<b>Total Southwest Plant</b>	<b>31</b>	<b>31</b>	<b>31</b>
<b>415060 - Lake Huron Plant</b>			
Water Treatment Plant Manager	1	1	1
Sprv Filtration	1	1	1
Plant Maintenance Foreman	1	1	1
Elect Worker - General	2	2	2
Plant Maintenance Sub-Foreman	1	1	1
Senior Water Systems Chemist	5	5	5
Head Water Plant Operator	4	4	4
Repair Mechanic	2	2	2
Water Sys Cntrl Instr Tech	1	1	1
Water Plant Operator	3	3	3
Mechanical Helper	1	1	1
General Auto Mechanic	1	1	1
Plant Maintenance Mechanic	3	3	3
Principal Clerk	1	1	1
<b>Total Lake Huron Plant</b>	<b>27</b>	<b>27</b>	<b>27</b>
<b>415390 - Water Quality</b>			
Water/Wastewater Sys Maint Eng	1	1	1
Sprv of Indust Waste Control	1	1	1
Chemical Engineer	1	1	1
Water Production&Operation Mgr	1	1	1

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**Water Department**

<b>Appropriation</b>	<b>REDBOOK FY 2006</b>	<b>DEPT REQUEST</b>	<b>MAYORS FY 2007</b>
<b>Organization</b>	<b>2007 FTE</b>	<b>FY 2007 2008</b>	<b>2008 FTE</b>
<b>Classification</b>			
<b>00088 - Water Operations Group</b>			
<b>415390 - Water Quality</b>			
Principal Analytical Chemist	1	1	1
Senior Analytical Chemist	2	2	2
Analytical Chemist	1	1	1
Microbiologist	1	1	1
Sr Water Distrib Sys Investiga	1	1	1
Water Systems Investigator	5	5	5
<b>Total Water Quality</b>	<b>15</b>	<b>15</b>	<b>15</b>
<b>Total Water Operations Group</b>	<b>206</b>	<b>206</b>	<b>206</b>
<b>05817 - Engineering Services - Water</b>			
<b>413010 - Office of Assistant Director of Engir</b>			
Asst Dir-Water Resources-Eng	1	1	1
Manager I - DWSD	1	1	1
Office Management Assistant	1	1	1
<b>Total Office of Assistant Director of Engineeri</b>	<b>3</b>	<b>3</b>	<b>3</b>
<b>413020 - Engineering Administrative Suppor</b>			
Superintendent of Eng - DWSD	1	1	1
Manager II - DWSD	1	1	1
Manager I - DWSD	1	1	1
Sr Governmental Analyst	1	1	1
Head Eng - Water Sys - Design	5	5	5
Head Civil Eng - Field	1	1	1
Engineer of Water Systems	5	5	5
Field Engineer	1	1	1
Senior Associate Architect	1	1	1
Sr Assoc Elect Eng - Design	2	2	2
Sr Assoc Civil Eng - Design	8	8	8
Sr Assoc Mech Eng - Design	4	4	4
Assoc Architectural Engineer	2	2	2
Associate Civil Eng - Design	5	5	5
Assoc Elect Eng - Design	5	5	5

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**Water Department**

<b>Appropriation</b>	<b>REDBOOK FY 2006</b>	<b>DEPT REQUEST</b>	<b>MAYORS FY 2007</b>
<b>Organization</b>	<b>2007 FTE</b>	<b>FY 2007 2008</b>	<b>2008 FTE</b>
<b>Classification</b>			
<b>05817 - Engineering Services - Water</b>			
<b>413020 - Engineering Administrative Support</b>			
Assoc Mech Eng - Design	3	3	3
Sr Asst Civil Eng - Design	12	12	12
Sr Asst Elect Eng - Design	3	3	3
Sr Asst Mech Eng - Design	1	1	1
Assistant Civil Engineer	1	1	1
Assistant Electrical Engineer	1	1	1
Administrative Specialist I	1	1	1
Drafting Technician IV	1	1	1
Drafting Technician III	12	12	12
Principal Governmental Analyst	1	1	1
Principal Clerk	1	1	1
Head Constr Inspector - DWSD	1	1	1
Prin Construct Inspector-DWSD	7	7	7
Sr Construction Inspector	25	25	25
Construction Inspector	1	1	1
Supervising Survey Technician	1	1	1
Associate Surveyor	1	1	1
Survey Technician	1	1	1
Eng Support Specialist II	3	3	3
Eng Support Specialist I	1	1	1
Office Assistant III	3	3	3
Senior Clerk	5	5	5
Office Assistant II	4	4	4
Clerk	4	4	4
Student Eng - Grade II Mech	1	1	1
<b>Total Engineering Administrative Support</b>	<b>138</b>	<b>138</b>	<b>138</b>
<b>Total Engineering Services - Water</b>	<b>141</b>	<b>141</b>	<b>141</b>
<b>Agency Total</b>	<b>1,900</b>	<b>1,919</b>	<b>1,919</b>